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- [1] H.M. Rietveld, Line profiles of neutron powder-diffraction peaks for structure refinement, *Acta Crystallographica* 22 (1967) 151-152.
- [2] H.M. Rietveld, A profile refinement method for nuclear and magnetic structure, *Journal of Applied Crystallography* 2 (1969) 65-71.
- [3] G.L. Lager, T. Armbruster and J. Faber, Neutron and X-ray diffraction study of hydrogarnet $\text{Ca}_3\text{Al}_2(\text{O}_4\text{H}_{4/3})_3$, *American Mineral* 69 (1987) 756-765.
- [4] A. Williams, G.H. Kwei, R.B. Von Dreele, A.C. Larson, I.D. Raistrick and D.L. Bish, Joint X-ray and neutron refinement of the structure of superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-\text{x}}$: Precision structure, anisotropic thermal parameters, strain, and cation disorder. *Physical Review B* 37 (1988) 7960-7962.
- [5] R.A. Young, *The Rietveld Method*, edited by R.A. Young, Ch.1, Oxford University Press (1993), pp. 1-38.
- [6] A.C. Larson and R.B. Von Dreele, "General Structure Analysis System (GSAS)", Los Alamos National Laboratory Report LAUR 86-748 (2000).
- [7] B.H. Toby, EXPGUI, a graphical user interface for GSAS, *Journal of Applied Crystallography* 34 (2001) 210-213.
- [8] S. Bid, P. Sahu and S.K. Pradhan, Microstructure characterization of mechanosynthesized nanocrystalline NiFe_2O_4 by Rietveld's analysis, *Physica E: Low-dimensional Systems and Nanostructures* 39, 2 (2007) 175-184.

- [9] P. Pourghahramani and E. Forssberg, The characterization of structural changes in hematite ground in a confined particle bed using Rietveld analysis, *International Journal of Mineral Processing*, Volume 83, Issues 1-2, 4 July 2007, Pages 47-59.
- [10] H. Dutta, M. Sinha, Y.C. Lee and S.K. Pradhan, Microstructure characterization and phase transformation kinetics of ball-mill prepared nanocrystalline Mg-Zn-ferrite by Rietveld's analysis and electron microscopy, *Materials Chemistry and Physics* 105, 1, (2007) 31-37.
- [11] M. Mir, C.C de Paula, D. Garcia, R.H.G.A. Kiminami, J.A. Eiras and Y.P. Mascarenhas, Microstructural characterization using the Rietveld method in lead lanthanum titanate ceramics system produced by combustion synthesis, *Journal of the European Ceramic Society* 27, 13-15 (2007) 3719-3721.
- [12] H. Wei, Z. Jiliang and Z. Lingmin, Rietveld Refinement of New Ternary Compound $\text{Al}_{14}\text{Dy}_5\text{Si}$, *Journal of Rare Earths* 24, 1, Suppl.1 (2006) 78-81.
- [13] J.R. Martínez, S. Palomares-Sánchez, G. Ortega-Zarzosa, Facundo Ruiz and Yurii Chumakov, Rietveld refinement of amorphous SiO_2 prepared via sol-gel method, *Materials Letters* 60, 29-30 (2006) 3526-3529.
- [14] F. Guirado and S. Gali Quantitative Rietveld analysis of CAC clinker phases using synchrotron radiation, *Cement and Concrete Research* 36, 11 (2006) 2021-2032.
- [15] M. Karolus and E. Lagiewka, Structure studies of $\text{Fe}_{81}\text{Nb}_5\text{B}_{14}$ annealed alloys by Rietveld refinement, *Journal of Alloys and Compounds* 423, 1-2, 26 (2006) 92-95.

- [16] R.M. Wilson, S.E.P. Dowker and J.C. Elliott, Rietveld refinements and spectroscopic structural studies of a Na-free carbonate apatite made by hydrolysis of monetite, *Biomaterials* 27, 27 (2006) 4682-4692.
- [17] P. Jha and A.K. Ganguli, New perovskite oxides of the type $(\text{Ln}_{1/3}\text{Ba}_{1/3}\text{Ca}_{1/3})(\text{Zn}_{1/3}\text{Ti}_{2/3})\text{O}_3-\delta$: Rietveld analysis and dielectric properties, *Materials Chemistry and Physics* 97, 2-3 (2006) 337-342.
- [18] W. Paszkowicz and J.A. Leiro, Rietveld refinement study of pyrite crystals, *Journal of Alloys and Compounds* 401, 1-2 (2005) 289-295.
- [19] T. Yao, N. Ozawa, T. Aikawa and S. Yoshinaga, Analysis of layered structures of lithium-graphite intercalation compounds by one-dimensional Rietveld method, *Solid State Ionics* 175, 1-4 (2004) 199-202.
- [20] D. Dermatas and M. S. Dadachov, Rietveld quantification of montmorillonites in lead-contaminated soils, *Applied Clay Science* 23, 1-4 (2003) 245-255.
- [21] P. Bonneau, P. Garnier, G. Calvarin, E. Husson, J. R. Gavarri, A. W. Hewat and A. Morell, X-ray and neutron diffraction studies of the diffuse phase transition in $\text{PbMg}_{1/3}\text{Nb}_{2/3}\text{O}_3$ ceramics, *Journal of Solid State Chemistry* 91, 2 (1991) 350-361.
- [22] H. Liu and H. Toraya, Study on a new tetragonal phase of Nb-doped lead titanate zirconate by synchrotron X-ray powder diffraction, *Journal of Physics and Chemistry of Solids* 60, 6 (1999) 729-735.

- [23] C. Bedoya, Ch. Muller, J. -L. Baudour, V. Madigou, M. Anne and M. Roubin, Sr-doped $\text{PbZr}_{1-x}\text{Ti}_x\text{O}_3$ ceramic: structural study and field-induced reorientation of ferroelectric domains, *Materials Science and Engineering B* 75, 1 (2000) 43-52.
- [24] W. Dmowski, M. K. Akbas, T. Egami and P. K. Davies, Structure refinement of large domain relaxors in the $\text{Pb}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3-\text{PbZrO}_3$ system, *Journal of Physics and Chemistry of Solids* 63, 1 (2002) 15-22.
- [25] R. Bertram, G. Reck and R. Uecker, Growth and correlation between composition and structure of $(1-x)\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3-x\text{PbTiO}_3$ crystals near the morphotropic phase boundary, *Journal of Crystal Growth* 253, 1-4 (2003) 212-220.
- [26] J. C. Bruno, A. A. Cavalheiro, M. A. Zaghete, M. Cilense and J. A. Varela, Structural effects of Li and K additives on the columbite precursor and 0.9PMN–0.1PT powders, *Materials Chemistry and Physics* 84, 1 (2004) 120-125.
- [27] M. Mir, C.C de Paula, D. Garcia, R.H.G.A. Kiminami, J.A. Eiras and Y.P. Mascarenhas, Microstructural characterization using the Rietveld method in lead lanthanum titanate ceramics system produced by combustion synthesis, *Journal of the European Ceramic Society* 27, 13-15 (2007) 3719-3721.
- [28] J.R.R. Siqueira, A.Z. Simões, B.D. Stojanovic, C.O. Paiva-Santos, L.P.S. Santos, E. Longo and J.A. Varela, Influence of milling time on mechanically assisted synthesis of $\text{Pb}_{0.91}\text{Ca}_{0.1}\text{TiO}_3$ powders, *Ceramics International* 33, 6 (2007) 937-941.

- [29] A. Sani, M. Hanfland and D. Levy, Pressure and temperature dependence of the ferroelectric-paraelectric phase transition in PbTiO_3 , *Journal of Solid State Chemistry* 167 (2002) 446-452.
- [30] S. Suasmoro, S. Pratapa, D. Hartanto, D. Setyoko and U. M. Dani, The characterization of mixed titanate $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ phase formation from oxalate coprecipitated precursor, *Journal of the European Ceramic Society* 20, 3 (2000) 309-314.
- [31] A. Feteira, G. M. Keith, M. J. Rampling, C. A. Kirk, I. M. Reaney, K. Sarma, N. Mc. Alford and D. C. Sinclair, Synthesis and characterisation of Ga-doped hexagonal BaTiO_3 , *Crystal Engineering* 5, 3-4 (2002) 439-448.
- [32] S. Khemakhem, S. Yahyaoui, R. B. Hassen, H. Khemakhem and A. B. Salah, Crystal structure and electrical behavior of the new ceramic $\text{Ba}_{0.7}\text{Na}_{0.3}\text{Ti}_{0.7}\text{Nb}_{0.3}\text{O}_3$, *Solid State Sciences* 5, 2 (2003) 367-371.
- [33] J.R. Sambrano, E. Orhan, M.F.C. Gurgel, A.B. Campos, M.S. Góes, C.O. Paiva-Santos, J.A. Varela and E. Longo, Theoretical analysis of the structural deformation in Mn-doped BaTiO_3 , *Chemical Physics Letters* 402, 4-6 (2005) 491-496.
- [34] K. Suzuki and K. Kijima, Phase transformation of BaTiO_3 nanoparticles synthesized by RF-plasma CVD, *Journal of Alloys and Compounds* 419, 1-2 (2006) 234-242.
- [35] S. Anwar, P.R. Sagdeo, N.P. Lalla, Locating the normal to relaxor phase boundary in $\text{Ba}(\text{Ti}_{1-x}\text{Hf}_x)\text{O}_3$ ceramics, *Materials Research Bulletin* (2007) (in press).
- [36] C.F. Buhrer, *Journal of Chemistry and Physics* 36 (1962) 798.

- [37] K. Roleder, J. Suchanicz and A. Kania, *Ferroelectrics* 89 (1989) 1.
- [38] A. Sasaki, T. Chiba, Y. Mamiya and E. Otsuki, *Japanese Journal of Applied Physics* 38 (1999) 5564.
- [39] T. Takenaka, K.-I. Maruyama and K. Sakata, *Japanese Journal of Applied Physics* 30, 9B (1991) 2236.
- [40] G.O. Jones and P.A. Thomas, Investigation of the structure and phase transitions in the novel A-site substituted distorted perovskite compound $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$, *Acta Crystallographica* B58 (2002) 168-178.
- [41] Nolze G., and Kraus W., *Powder Cell – a program for the representation and manipulation of crystal structures and calculation of the resulting X-ray powder patterns*. *Journal of Applied Crystallography*, 1996; 29: 301-303.
- [42] R. D. Shannon, Revised effective ionic radii and systematic studies of interatomic distances in halides and chalcogenides, *Acta Crystallographica* A32 (1976) 751-767.
- [43] H. Nagata and T. Takenaka, Effects of substitution on electrical properties of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -based lead-free ferroelectrics, *IEEE. Xplore*.
- [44] M. Aparna, T. Bhimasankaram, S. V. Suryanaranana, G. Prasad, G. S. Kumar, Effect of lanthanum doping on electrical and electromechanical properties of $\text{Ba}_{1-x}\text{La}_x\text{TiO}_3$, *Bulletin Materials Science* 24 (2001) 497-504.
- [45] M. H. Lin, H. Y. Lu, Densification retardation in the sintering of La_2O_3 – doped barium titanate ceramic, *Materials Science and Engineering* A323 (2002) 167-176.

- [46] P. Siriprapa, A. Watcharapasorn, S. Jiansirisomboon, Effect of La-doped of phase, microstructure and dielectric properties of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ ceramics, *Advanced Materials* 93-94 (2010) 251-254.
- [47] P. Siriprapa, A. Watcharapasorn, S. Jiansirisomboon, Electrical and mechanical characteristics of $(\text{Bi}_{4-x}\text{La}_x)\text{Ti}_3\text{O}_{12}$, *Ferroelectrics* 382 (2009) 1-6.
- [48] S. Chopra, S. Sharma, T. C. Goel, R. G. Mendiratta, Structural dielectric and ferroelectric properties of La doped PbTiO_3 sol gel cerived thin films, *Ferroelectrics* 327 (2005) 97-101.
- [49] T. Yu, K.W. Kwok, H. L.W. Chan, Preparation and properties of Sol-Gel-derived $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ lead-free ferroelectric thin film, *Thin Solid Films* 515 [7-8] (2007) 3563-3566.
- [50] H. Nagata and T. Takenaka, Effects of substitution on electrical properties of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -based lead-free ferroelectrics, *IEEE Xplore*.
- [51] E. Brzozowski, M.S. Castro, Grain growth control in Nb-doped BaTiO_3 , *Journal of Materials Processing Technology* 168 (2005) 464-470.
- [52] B.-J. Chu, J.-H. Cho, Y.-H. Lee, B.-I. Kim, D.-R. Chen, The potential application of BNT based ceramics in large displacement actuation, *Journal of Ceramics Processing Research* 3 (2002) 231-243.
- [53] Liu C, Lan Z, Jiang X, Yu Z, Sun K, Li L, Liu P (2008), Effect of sintering temperature and Bi_2O_3 content on microstructure and magnetic properties of LiZn ferrites. *J Magn Magn Mater* 320, 1335–39.
- [54] Bomlai, P., Wichianrat, P., Muensit, S. and Steven, J. M. 2007. Effect of calcinations and excess alkali carbonate on the phase formation and particle morphology of $\text{Na}_{0.5}\text{K}_{0.5}\text{Nb}_{0.5}\text{O}_3$ powders. *Journal of American Ceramic Society*. 90: 1650-1655.

- [55] M. V. Makarova, P. E. Kazin, D. D. Zaitsev, N. S. Eremina, Y. D. Tretyakov and M. Jansen: Preparation of Submicron Strontium Sodium Zirconate Powder in Alkaline Solutions *Inorganic Materials*. Vol. 39 (5) (2003), p. 514-519
- [56] W.D.Kingery, H.K.Bowen, D.R.Uhlmann, *Introduction to Ceramic*, 2nd., Jhon wiley & Sons,Inc, New York 1960
- [57] Y. Qu, D. Shan and J. Song, Effect of A-site substitution on crystal component and dielectric properties in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ ceramics, *Materials Science English*, 121 (2005) 148.